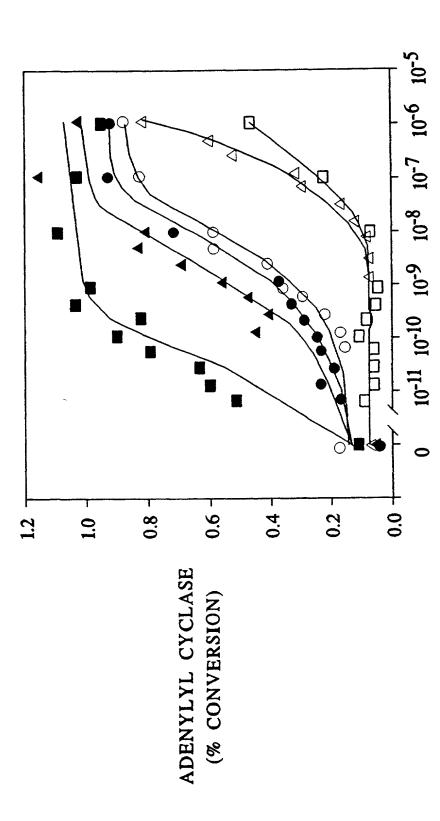
Fig. 1A

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AGTGAGAACA AGAAAGCAAA GAGCAGACTC TTTCAACTGA GAATGAATAT TTTGAAGCCC	180
AAGATTTTAA AGTGATGATG ATTAGAGTCG TACCTAAAAG AGACTAAAAA CTCCATGTCA	240
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AATTCAGGGG GACACTGGAA TTCTCCTGCC AGC ATG GTG AAC TCC ACC CAC CGT Met Val Asn Ser Thr His Arg 1 5	414
GGG ATG CAC ACT TCT CTG CAC CTC TGG AAC CGC AGC AGT TAC AGA CTG Gly Met His Thr Ser Leu His Leu Trp Asn Arg Ser Ser Tyr Arg Leu 10 15 20	462
CAC AGC AAT GCC AGT GAG TCC CTT GGA AAA GGC TAC TCT GAT GGA GGG His Ser Asn Ala Ser Glu Ser Leu Gly Lys Gly Tyr Ser Asp Gly Gly 25 . 30	510
TGC TAC GAG CAA CTT TTT GTC TCT CCT GAG GTG TTT GTG ACT CTG GGT Cys Tyr Glu Gln Leu Phe Val Ser Pro Glu Val Phe Val Thr Leu Gly 40 55	558
GTG ATC AGC TTG TTG GAG AAT ATC TTA GTG ATT GTG GCA ATA GCC AAG Val Ile Ser Leu Leu Glu Asn Ile Leu Val Ile Val Ala Ile Ala Lys 60 65 70	606
AAC AAG AAT CTG CAT TCA CCC ATG TAC TTT TTC ATC TGC AGC TTG GCT Asn Lys Asn Leu His Ser Pro Met Tyr Phe Phe Ile Cys Ser Leu Ala 75 80 85	654
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ATC ACC CTA TTA AAC AGT ACA GAT ACG GAT GCA CAG AGT TTC ACA GTG 11e Thr Leu Leu Asn Ser Thr Asp Thr Asp Ala Gln Ser Phe Thr Val 105 110 115	750
AAT ATT GAT AAT GTC ATT GAC TCG GTG ATC TGT AGC TCC TTG CTT GCA Asn Ile Asp Asn Val Ile Asp Ser Val Ile Cys Ser Ser Leu Leu Ala 120 135	798
TCC ATT TGC AGC CTG CTT TCA ATT GCA GTG GAC AGG TAC TTT ACT ATC Ser Ile Cys Ser Leu Leu Ser Ile Ala Val Asp Arg Tyr Phe Thr Ile 140 145 150	846
TTC TAT GCT CTC CAG TAC CAT AAC ATT ATG ACA GTT AAG CGG GTT GGG Phe Tyr Ala Leu Gln Tyr His Asn Ile Met Thr Val Lys Arg Val Gly 155 160 165	894
ATC AGC ATA AGT TGT ATC TGG GCA GCT TGC ACG GTT TCA GGC ATT TTG Ile Ser Ile Ser Cys Ile Trp Ala Ala Cys Thr Val Ser Gly Ile Leu 175	947

Fig. 1B

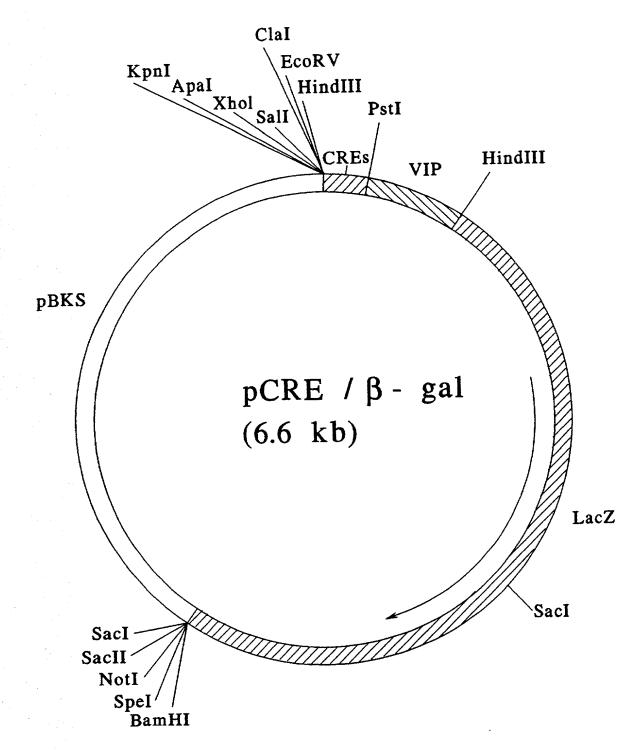
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								ATG Met								1038
								AAG Lys								1086
								AAT Asn 240								1134
								GTC Val								1182
CAC His	TTA Leu 265	ATA Ile	TTC Phe	TAC Tyr	ATC Ile	TCT Ser 270	TGT Cys	CCT Pro	CAG Gln	TAA Asn	CCA Pro 275	TAT Tyr	TGT Cys	GTG Val	TGC Cys	1230
TTC Phe 280	ATG Met	TCT Ser	CAC His	TTT Phe	AAC Asn 285	TTG Leu	TAT Tyr	CTC Leu	ATA Ile	CTG Leu 290	ATC Ile	ATG Met	TGT Cys	AAT Asn	TCA Ser 295	1278
								CTC Leu								1326
ACC Thr	TTC Phe	AAA Lys	GAG Glu 315	ATC Ile	ATC Ile	TCT Ser	TCC Ser	TAT Tyr 320	CCC Pro	CTG Leu	GGA Gly	GGC Gly	CTT Leu 325	TGT Cys	GAC Asp	1374
	TCT Ser				TAAJ	ŢĠĠĊ	GA (CAGAC	CACC	BC AA	\TATA	AGGA.	CA:	rcca:	raag	1429
AGA	CTTT	PTC A	ACTC!	TAC	C TA	ACCTO	:AAT	TTO	TACT	TCT	GCA	CAGO	TT	rcrc	TCCGT	1489
GTA	GGTI	ACT (GTT	GAGA?	TA TO	CAT	rgtgi	LAA 1	ATTI	AGC	CTAT	GATT	TT:	YTAAT	GAGAAA	1549
AAA'	TGCC	CAG :	rcrc:	rgta:	CT AT	TTC	CAATO	CTC	ATGCT	ACT	TTTT	TGG	CA 1	LAAAT	ATATGA	1609
ATC	TATG:	TTA :	ragg:	rtgt)	AG GO	CACTO	TGG/	TT?	CACA	AAA	GAAA	LAGTO	CT 1	ratt!	AAAA GC	1669
TT																1671



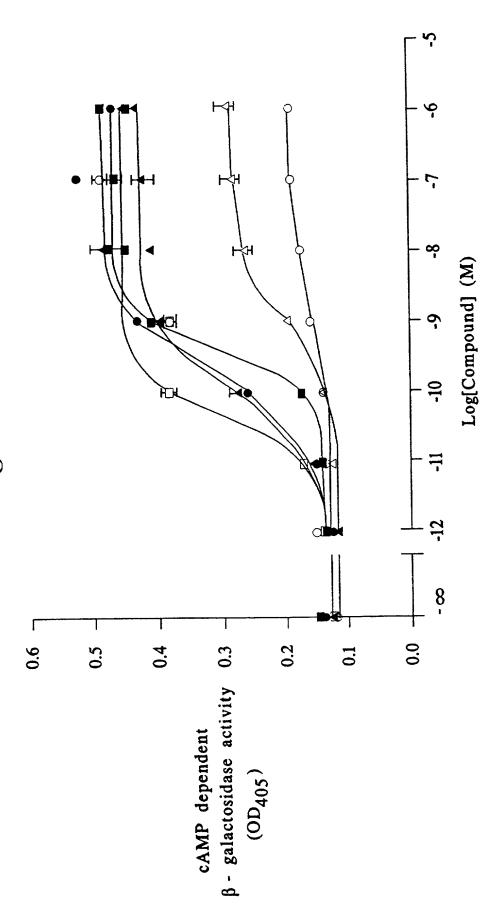


[PEPTIDE] (M)

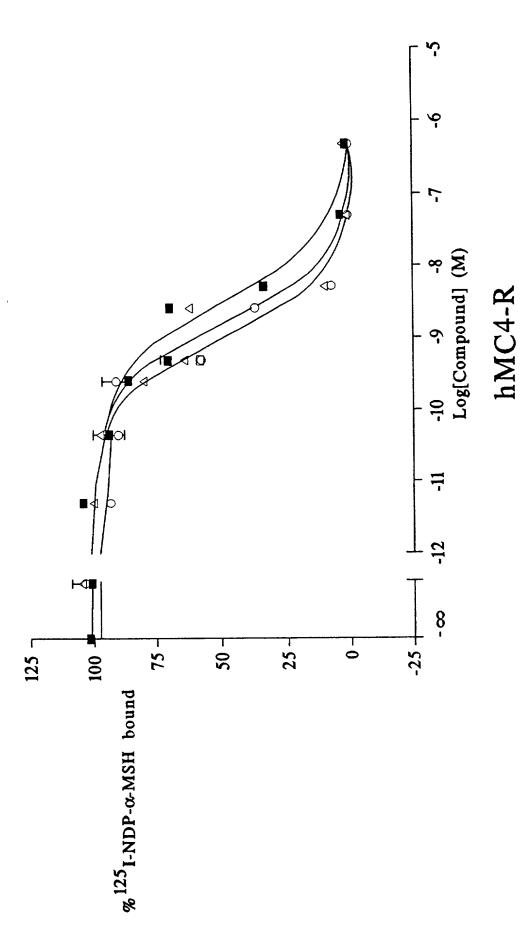
Fig. 3

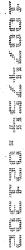






hMC4-R





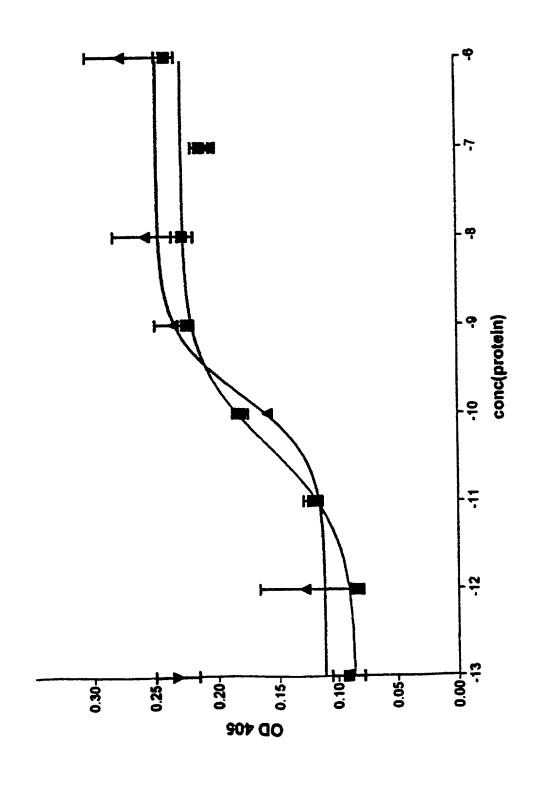
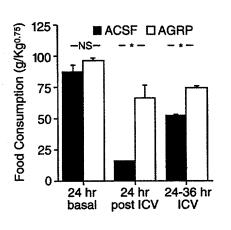
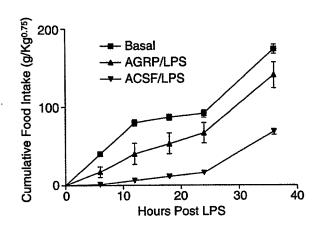
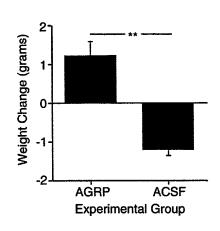


Fig. 7A

Fig. 7*B*







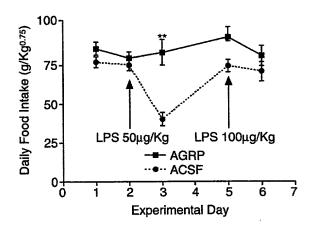


Fig. 7*C*

<u>Fig. 7D</u>

Fig. 8A

Fig. 8*B*

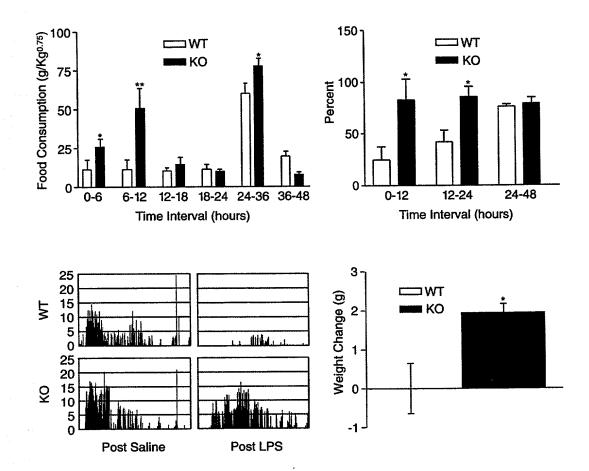


Fig. 8C

Fig. 8D

Adrenal Stress Response to LPS in MC4-RKO Mice

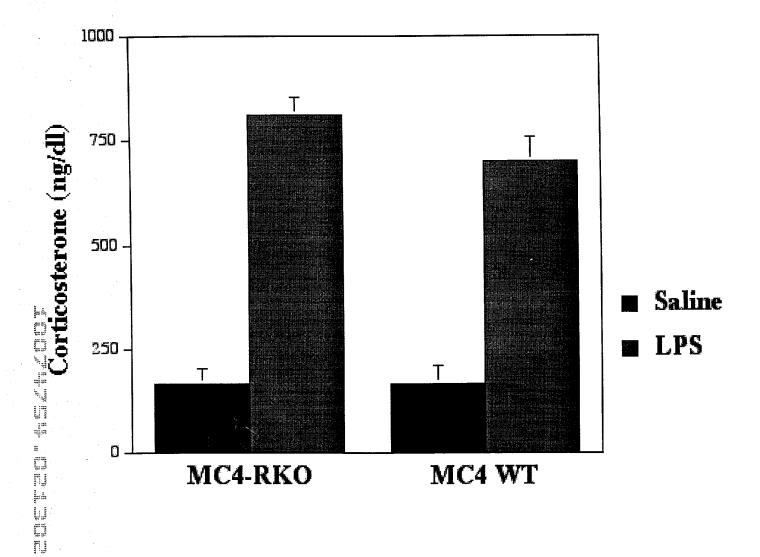
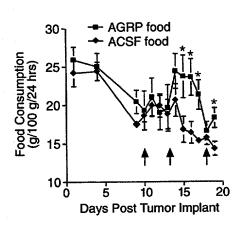
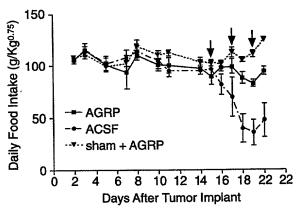


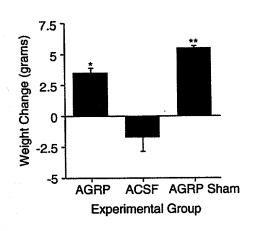
Fig. 8*E*

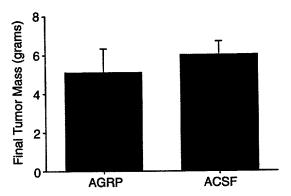
Fig. 9A

Fig. 9B









<u>Fig. 9C</u>

<u>Fig. 9D</u>

Fig. 10A

Fig. 10B

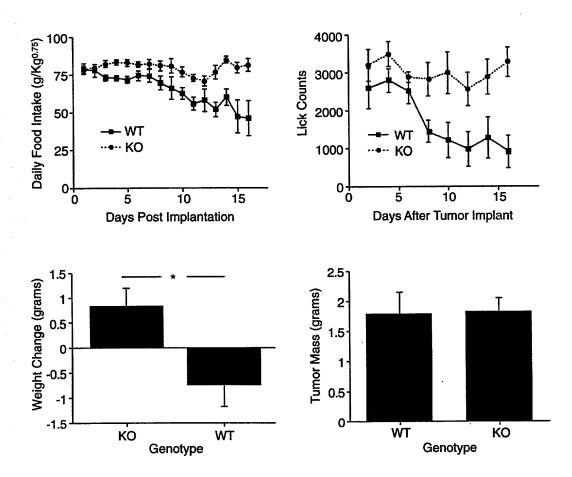


Fig. 10C

Fig. 10D

Carcass Weight Change During Tumor Growth

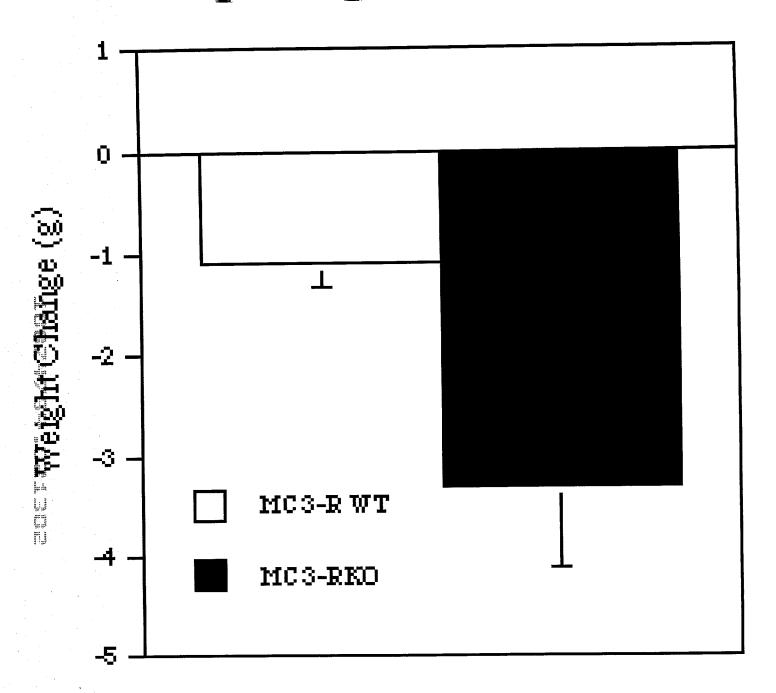
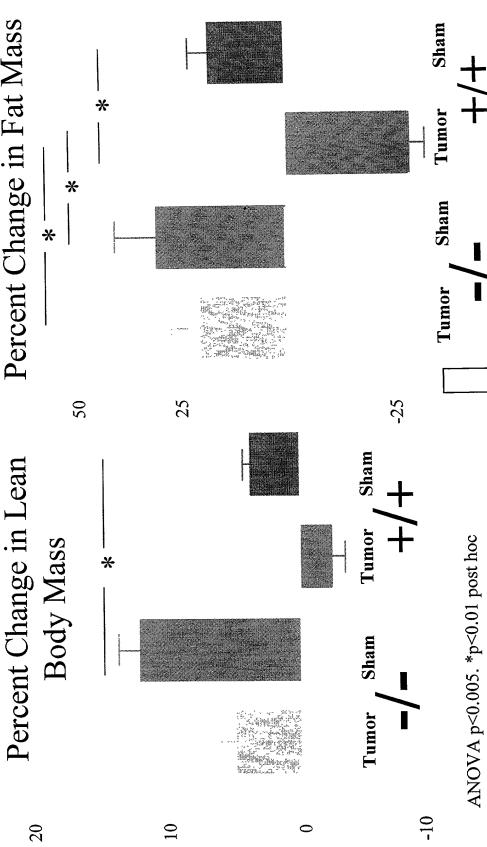


Fig. 10E

DEXA Body Composition

Analysis Fig. 11B Fig. 114

Percent Change in Fat Mass



Metabolic Response to LPS in MC4-RKO Mice

